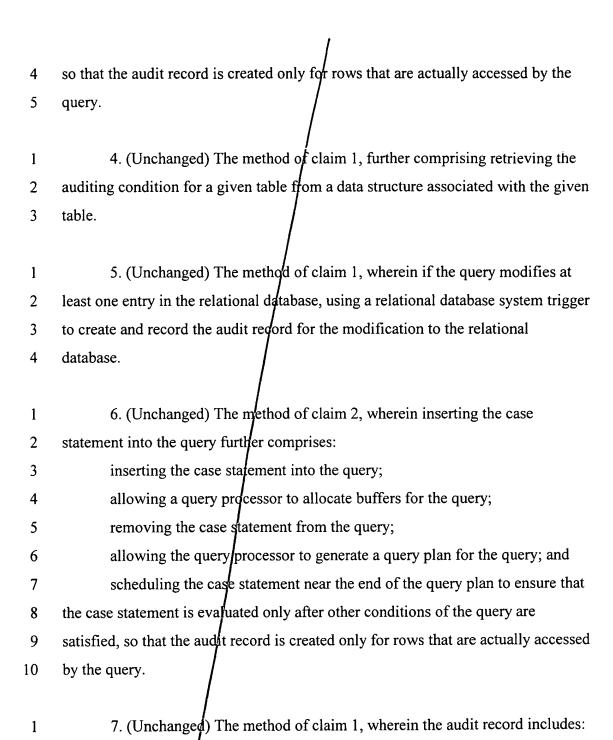
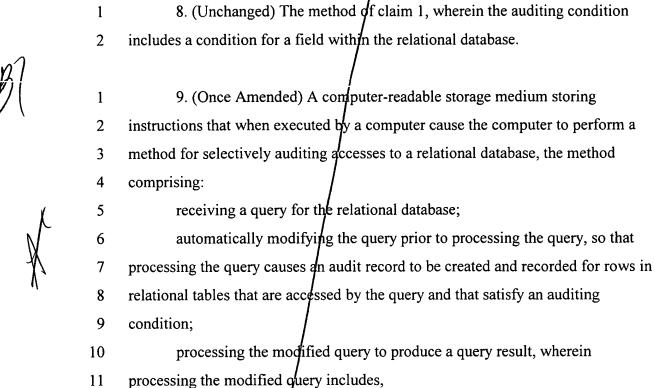
## **AMENDMENT**

## Please replace the claims with the following:

1	1. (Once Amended) A method for selectively auditing accesses to a		
2	relational database, comprising:		
3	receiving a query for the relational database;		
4	automatically modifying the query prior to processing the query, so that		
5	processing the query causes an audit record to be created and recorded for rows in		
6	relational tables that are accessed by the query and that satisfy an auditing		
7	condition;		
8	processing the modified query to produce a query result, wherein		
9	processing the modified query includes,		
10	creating the audit record for rows in relational tables that		
11	are accessed by the query and that satisfy the auditing condition,		
12	and		
13	recording the audit record in an audit record store; and		
14	returning the query esult.		
1	2. (Unchanged) The method of claim 1, further comprising, if the query		
2	includes a select statement, inserting a case statement into the select statement that		
3	calls a function that causes the audit record to be created and recorded if the		
4	auditing condition is satisfied.		
1	3. (Unchanged) The method of claim 2, further comprising ensuring that		
2	the case statement is evaluated near the end of the query processing so that the		
3	case statement is evaluated only after other conditions of the query are satisfied,		



- a user name for a user making the query;
- 2
- a time stamp specifying a time of the query; and 3
- 4 a text of the query.



and

returning the query result.

10. (Unchanged) The computer-readable storage medium of claim 9, wherein the method further comprises, if the query includes a select statement, inserting a case statement into the select statement that calls a function that causes the audit record to be created and recorded if the auditing condition is satisfied.

creating the audit record for rows in relational tables that

recording the audit record in an audit record store; and

are accessed by the query and that satisfy the auditing condition,

11. (Unchanged) The computer-readable storage medium of claim 10, wherein the method further comprises ensuring that the case statement is evaluated near the end of the query processing to that the case statement is





evaluated only after other conditions of the query are satisfied, so that the audit record is created only for rows that are actually accessed by the query.

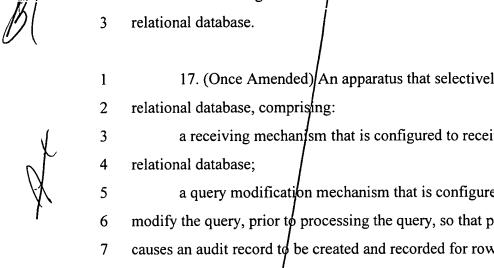
- 12. (Unchanged) The computer-readable storage medium of claim 9, wherein the method further comprises retrieving the auditing condition for a given table from a data structure associated with the given table.
- 13. (Unchanged) The computer-readable storage medium of claim 9, wherein if the query modifies at least one entry in the relational database, the method further comprises using a relational database system trigger to create and record the audit record for the modification to the relational database.
- 14. (Unchanged) The computer-readable storage medium of claim 10, wherein inserting the case statement into the query further comprises: inserting the case statement into the query; allowing a query processor to allocate buffers for the query; removing the case statement from the query; allowing the query processor to generate a query plan for the query; and scheduling the case statement near the end of the query plan to ensure that the case statement is evaluated only after other conditions of the query are

satisfied, so that the audit record is created only for rows that are actually accessed

- 15. (Unchanged) The computer-readable storage medium of claim 9, wherein the audit record includes:

  a user name for a user making the query;
  a time stamp specifying a time of the query; and
- 5 a text of the query.

by the query.



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16. (Unchanged) The computer-readable storage medium of claim 9, wherein the auditing condition/includes a condition for a field within the

17. (Once Amended) An apparatus that selectively audits accesses to a

a receiving mechanism that is configured to receive a query for the

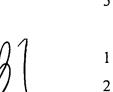
a query modification mechanism that is configured to automatically modify the query, prior to processing the query, so that processing the query causes an audit record to be created and recorded for rows in relational tables that are accessed by the query and that satisfy an auditing condition;

a query processor that is configured to process the modified query to produce a query result, wherein processing the modified query includes,

creating the audit record for rows in relational tables that are accessed by the query and that satisfy the auditing condition, and recording the audit record in an audit record store; and a returning/mechanism that is configured to return the query result.

18. (Unchanged) The apparatus of claim 17, wherein if the query includes a select statement, the query modification mechanism is configured to insert a case statement into the select statement that calls a function that causes the audit record to be created and recorded if the auditing condition is satisfied.

19. (Unchanged) The apparatus of claim 18, wherein the query modification mechanism is configured to ensure that the case statement is evaluated near the end of the query processing so that the case statement is



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4	evaluated only after other cond	itions of the query are satisfied, so that the audit
5	record is created only for rows	that are actually accessed by the query

- 20. (Unchanged) The apparatus of claim 17, wherein the query modification mechanism is configured to retrieve the auditing condition for a given table from a data structure associated with the given table.
- 21. (Unchanged) The apparatus of claim 17, wherein if the query modifies at least one entry in the relational database, the apparatus uses a relational database system trigger to create and record the audit record for the modification to the relational database.
- 22. (Unchanged) The apparatus of claim 18, wherein the query modification mechanism is configured to:
- insert the case statement into the query;
- allow the query processor to allocate buffers for the query;
- 5 remove the case statement from the query;
- allow the query processor to generate a query plan for the query; and
- schedule the case statement near the end of the query plan to ensure that
- 8 the case statement is evaluated only after other conditions of the query are
- 9 satisfied, so that the audit record is created only for rows that are actually accessed
- 10 by the query.
- 1 23. (Unchanged) The apparatus of claim 17, wherein the audit record
- 2 includes:
- a user name for a user making the query;
- a time stamp specifying a time of the query; and
- 5 a text of the query.



- 24. (Unchanged) The apparatus of claim 17, wherein the auditing
- 2 condition includes a condition for a field within the relational database.